

## IN THE SPECIFICATION

Please insert the following paragraph on page 6, line 10:

### BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 illustrates characteristic curves for various sensor heads;

FIGS. 2a and 2b respectively illustrate a side view and a plan view of a geometric construction of illumination and receiving fibers in the reflectance sensor in which the angle between illumination and receiving fiber(s) is  $22^{\circ}$  and the angle of inclination of the receiving fiber(s) with respect to the plate axis is  $0^{\circ}$ ;

FIGS. 3a and 3b respectively illustrate a side view and a plan view of a geometric construction of illumination and receiving fiber(s) in the reflectance sensor in which the angle between illumination and receiving fiber(s) is  $0^{\circ}$  and the angle of inclination of the receiving fiber(s) with respect to the plate axis is  $27^{\circ}$ ;

FIGS. 4a and 4b, respectively illustrate a side view and a plan view of a geometric construction of illumination and receiving fibers in the reflectance sensor in which the angle between illumination and receiving fiber(s) is  $56^{\circ}$  and the angle of inclination of the illumination fiber(s) with respect to the plate axis is  $25^{\circ}$ ;

FIG. 5 illustrates an embodiment of a product cell for reflectance measurement on liquid pigment preparations, comprising the sample analysis cell, the measuring window and a holder for the fiber-optic system of the optical unit;

FIG. 6 illustrates an embodiment of what is known as a sheet-metal cell for reflectance measurement on solid pigmented surfaces, comprising the holder for samples which have a solid surface, the measuring window and a holder for the fiber-optic system of the optical unit;

FIG. 7 illustrates an embodiment of what is known as a reference cell for reflectance measurement of the reference standard, comprising the holder for the reference standard, the measuring window and a holder for the fiber-optic system of the optical unit;

FIGS. 8a and 8b respectively illustrate a front view and a plan view of an embodiment of an attenuator;

FIGS. 9a and 9b respectively illustrate a side view and a front view of a system used for reflectance measurement;

FIG. 10 illustrates the result of a reflectance measurement of a mixture of red with white; and

FIGS. 11 and 12 illustrate the results of sensitivity tests where a white coating was mixed with various colored pastes.

Please replace the paragraph on page 13, lines 9-19, with the following paragraph:

In figures 2a and 2b:

201 is the adapter for installation  
202 the measuring window  
203 the scattering disk (optional)  
204 the illumination fiber(s)  
205 the fiber connector for illumination fiber  
206 the lens holder with lens  
207 the fiber support with receiving fiber(s)  
208 the base body, and  
209 the light trap (optional).

Please replace the paragraph on page 14, lines 5-16, with the following paragraph:

In figures 3a and 3b:

301 is the base body  
302 the measuring window  
303 the first reflection  
304 the second reflection  
305 the beam path in the product  
306 the fibers

- 306a the illumination
- 306b the reception
- 307 the fiber connector, and
- 308 the light trap (optional).

Please replace the paragraph on page 15, lines 4-13, with the following paragraph:

In figures 4a and 4b:

- 401 is the base body
- 402 the measuring window
- 403 the first reflection
- 404 the beam path in the product
- 405 the illumination fiber(s)
- 406 the receiving fiber(s)
- 407 the fiber connector, and
- 408 the light trap (optional).

Please replace the paragraph on page 21, lines 16-28, with the following paragraph:

Here:

- 501 is the base plate (mounting plate)
- 502 the holder for the measuring window
- 503 the measuring window
- 504 the holder (guide element) for the system
- 505 the drip edge
- 506 the base body of the product cell
- 507 the product outlet
- 508 the product inlet
- 509 the shearing gap
- 510 the device for changing the shearing gap, and
- 511 a variable sealing system.

Please replace the paragraph on page 24, lines 1-11, with the following paragraph:

Here:

601 is the base plate (mounting plate)  
602 the holder for the measuring window  
603 the measuring window  
604 the holder (guide element) for the fiber system  
605 the drip edge  
606 the spacer  
607 the solid sample  
608 the spring element  
609 the pressure element, and  
610 the guide rods.

Please replace the paragraph on page 24, lines 19-28, with the following paragraph:

Here:

701 is the base plate (mounting plate)  
702 the holder for the measuring window  
703 the measuring window  
704 the holder (guide element) for the fibers  
705 the drip edge  
706 the reference cell base body  
707 the spacer  
708 the reference standard, and  
709 the variable pressure system.

Please replace the paragraph on page 26, lines 18-31, with the following paragraph:

Here:

801 is an SMA-bush receiving means

802 the base body  
803 a scattering disk (optional)  
804 a neutral filter (optional)  
805 a conversion filter (optional)  
806 an SMA-bush transmitter  
807 a clamping device  
808 a piston  
809 guide rods (optional)  
810 a carriage (optional)  
811 a drive rod (optional)  
812 a motor holder (optional), and  
813 a motor (optional).

Please replace the paragraph on page 27, lines 5-19, with the following paragraph:

Here:

901 is the light source  
902 spectrometers with an optical attenuator (numbers 1 to at most 8) and amplifier  
903 a cooler  
904 a PC with AD (analog-digital) converter  
905 a pump  
906 the product cell  
907 the measuring window  
908 the fiber holder  
909 fibers (preferably glass fibers)  
910 the pressure measurement  
911 a receiver  
912 a stirrer (for example a magnetic stirrer), and  
913 the mobile housing.